

## PATTERNS

### How to Determine a Number Pattern:

#### How to find a missing number in a sequence

- Determine if the order of numbers is ascending (getting larger in value) or descending (becoming smaller in value).
- Find the difference between numbers that are next to each other.
- Use the difference between numbers to find the missing number.

*Example:* Find the missing number: 30, 23, ?, 9

- The order of numbers is going down or descending.
- The difference between numbers is  $30 - 23 = 7$ .
- Since the missing number may be
- The missing number is



**PREVIEW**

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### Try this!

Find the missing number: 40, 32, 24, \_\_\_\_\_, 8

Find the missing number: 72, 63, 67, 58, \_\_\_\_\_, 53